

Cougar Helicopters Inc.

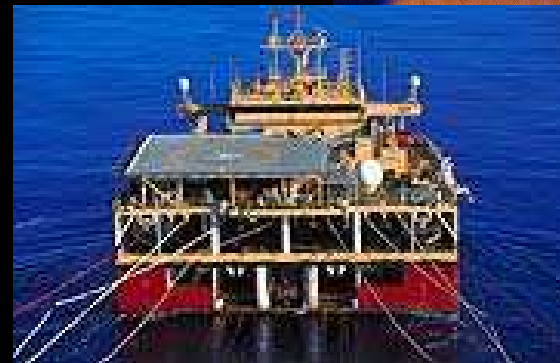
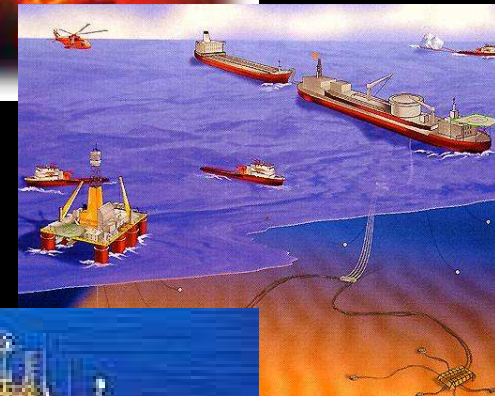
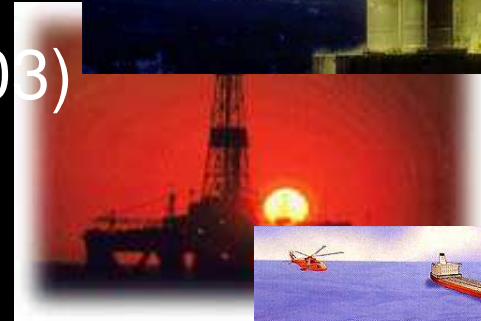


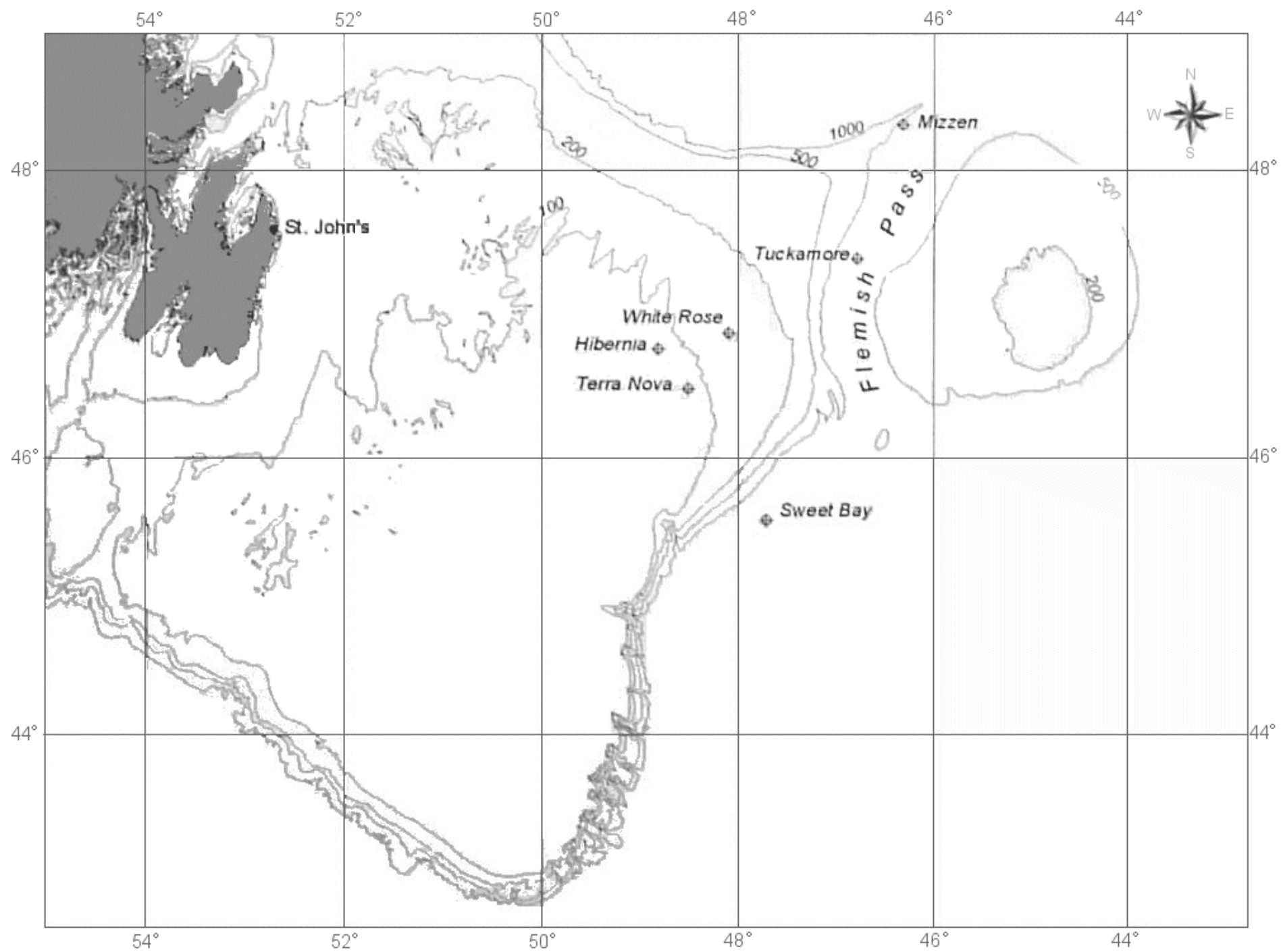
Introduction

- Operations Overview
- Scope of Work
- Performance Review
- Technical Initiatives
- In-Flight Icing
- Operational Statistics – De-icing Equipment
- Challenge

Operations Overview

- Current Customers St. John's:
 - ◆ Hibernia (ExxonMobil)
 - ◆ Terra Nova (Petro-Canada)
 - ◆ Husky Energy (01 July 2003)
- Offshore Facilities:
 - ◆ Hibernia
 - ◆ Terra Nova FPSO
 - ◆ Henry Goodrich – Terra Nova (MODU)
 - ◆ Glomar Grand Banks (Husky)





Operations Overview




Scope of Work

- 3 AS332L Super Pumas
- 1 Sikorsky S-61
- Passenger/Cargo
- First Response
- Hangar Facility
- Passenger Check-in
- Alternate Landing site
- Fuel
- Immersion Suit
- Flight Following
- Traffic Office Service
- POB Computer Systems Administrator
- Helideck Inspection Services
- Helitank/Helifuel Management & Quality
- Aviation Technical Support



Performance Review (East Coast Ops)

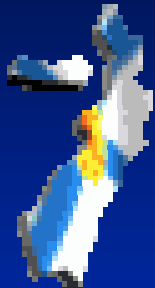
St.John's – Newfoundland - 31 May 03


	Total Flight Hours	Pass. Moved	Total # of Trips	DR %	Cargo Moved (lbs)
Total Cougar	20,182	104,585	6,232	98%	754,318
Hibernia	10,673	65,415	3711	98%	504,407
Terra Nova	5,934	27,138	1684	98%	167,000
JBO	965	4,255	272	95%	36,433
Husky	848	3,843	279	98%	34,700
Amoco	472	1,834	146	95%	11,778
Other	1290	4,227	277		



Performance Review (East Coast Ops)

Halifax – Nova Scotia



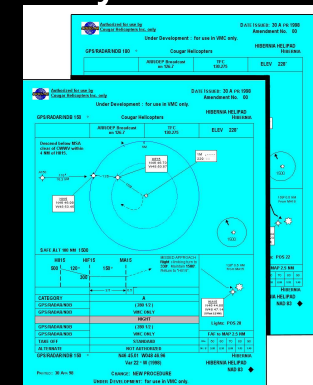
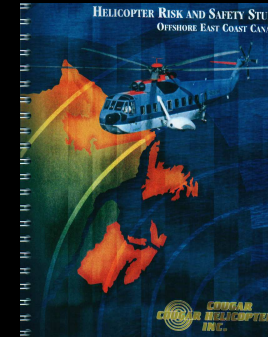
	Total Flight Hours	Pass. Moved	Total # of Trips	DR %	Cargo Moved lbs
Total Cougar	10,000	35,000	3,400	98%	350, 000

Pan Canadian (Encana)	9,100	31,000	3050	98%	310,000
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Industry Initiatives

- Simulator Certifications – SK-61, SK-76 and AS332L
- First commercial operator to provide SAR services
- 1994 - First DGPS study(NRC and TC)
- 1994 - Rotorcraft icing forum. Halifax
- 1994 – 600 RVR Take-off (First and only)
- 1994 – 100' DH landing limits(First and only)
- 1995 – 600 RVR landing limits(First and only)
- 1996 – First Rotorcraft Risk & Safety Analysis
- 1997 – Provision of a state of the art Hangar and passenger handling facility, purpose built for the needs of the offshore industry
- 1997 – First Rotorcraft operator to certify to ISO 9002
- 1997 – First NA operator to develop Satellite flight following
- 1997 – First Rotorcraft Flight into known icing certification
- 1997 – First Operator in NA to certify HUMS
- 1997 - UNS 1-D certification for AS332L Super Puma
- 1998 - First Helicopter Standard departures at airports
- 1998 – In house trained staff to design & approve approaches
- 1998 – In house trained staff for helideck/heli-fuel inspections



Industry Initiatives

- 1998 – Development of HIAL for offshore platforms
- 1998 - Implementation of the Traffic Office concept for Passenger Movements
- 1999 – Development of Immersion suit tracking system
- 1999 – Implementation of P701 Radar system
- 1997-2001 continue to develop sharing concepts for multi-customer environment
- 2000 – Developed one of first Web based passenger tracking software
- 2000 – First operator to have GPS approaches approved for offshore operations.
- 2002 - Developed Canada's first offshore ATC communications link capabilities to assist in IFR traffic flow and reduce the risk of mid air collision.



Industry Initiatives

- Currently proposing a Landing Period Designator (LPD) for Terra Nova FPSO to assist crews in predicting calm periods for landing. DERA partnering.
- Currently compiling proposal to Transport Canada to reduce approach limits at platforms to .25m vs. .5nm as is the case today. North Sea now .75 limits
- Cougar is the launch customer for the SK-92 and continues to work with Sikorsky to embody technical enhancements which are targeted for virtual 0/0 landings. Auto-hover autopilot, heads-up displays, new flight directors and dual and triple redundancy of most systems are part of the initiative





Technical Initiatives Stats

% of Trips De-Ice Used (Oct-Apr)	35%
# of flights 100' DH used	264
# of trips 600 RVR T/O used	41
# of trips 600 RVR Landing used	37











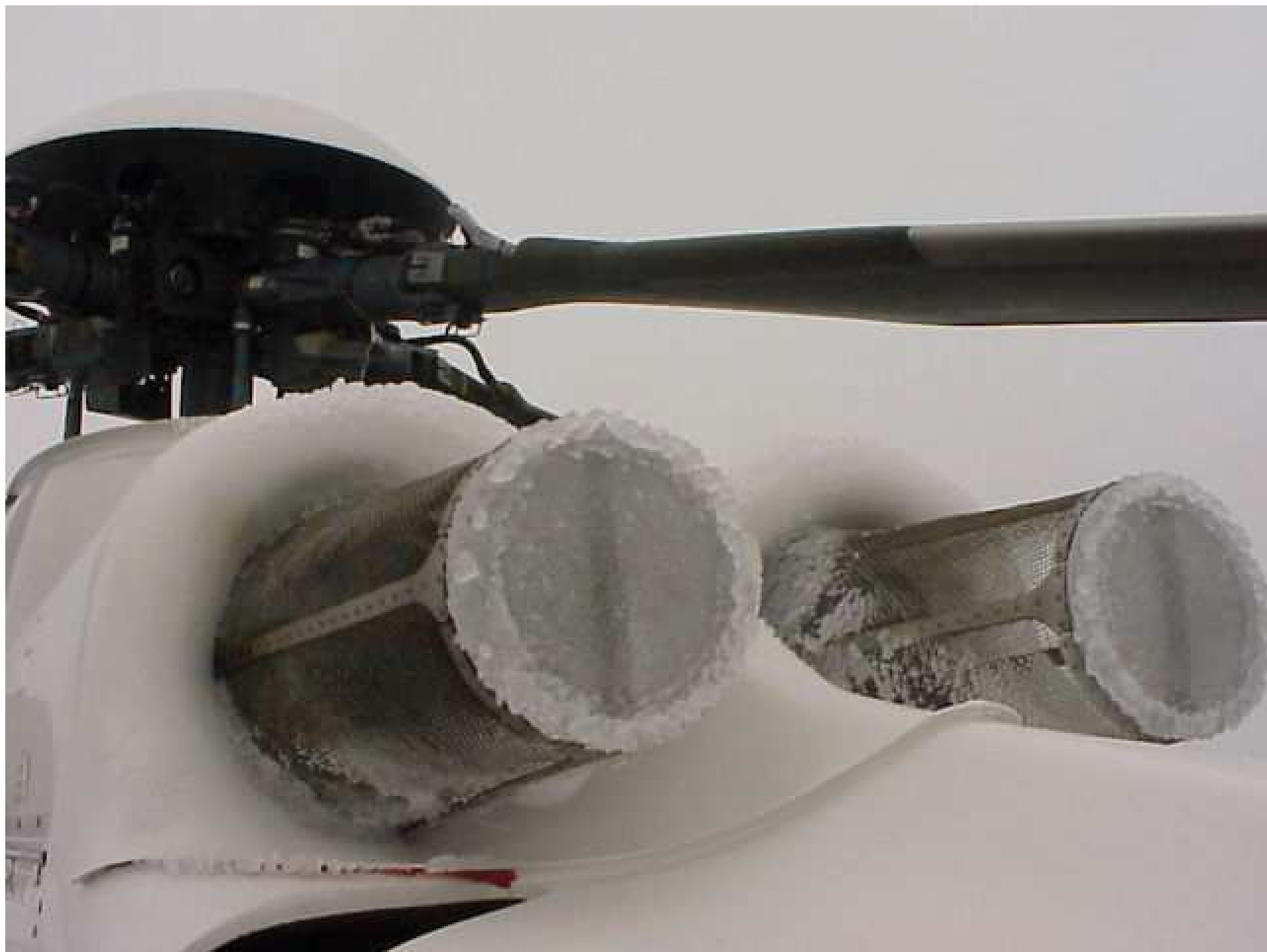


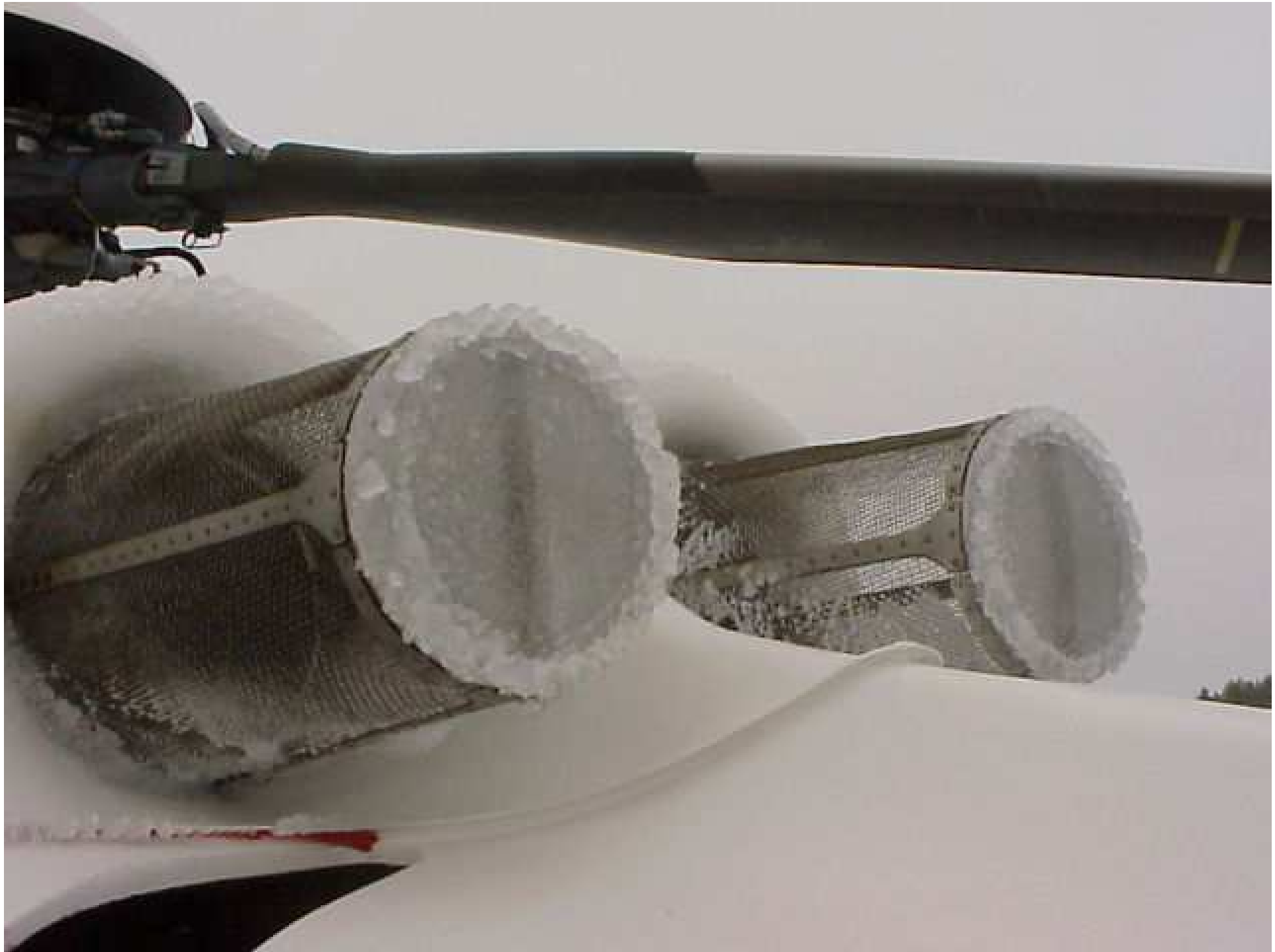




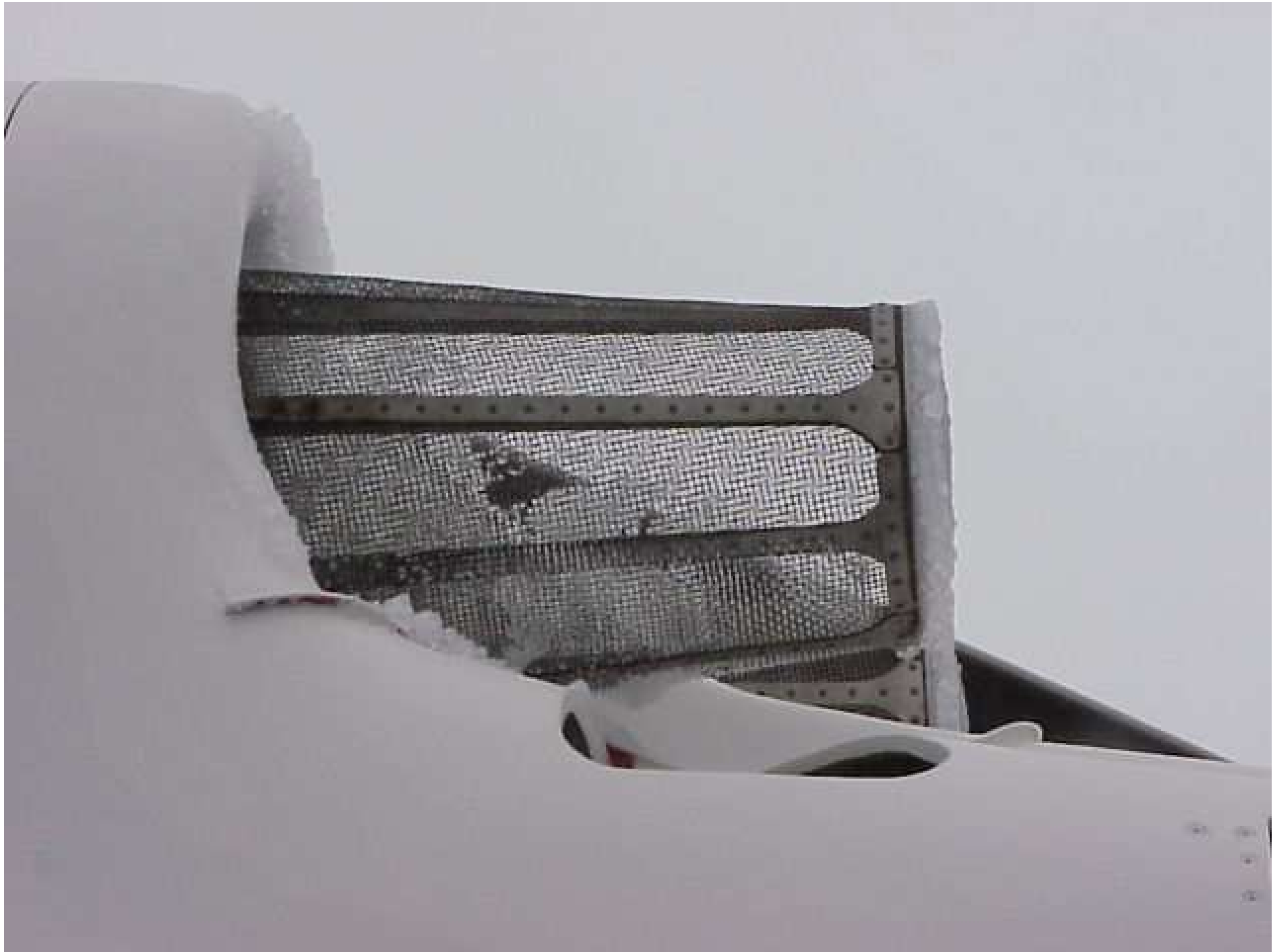










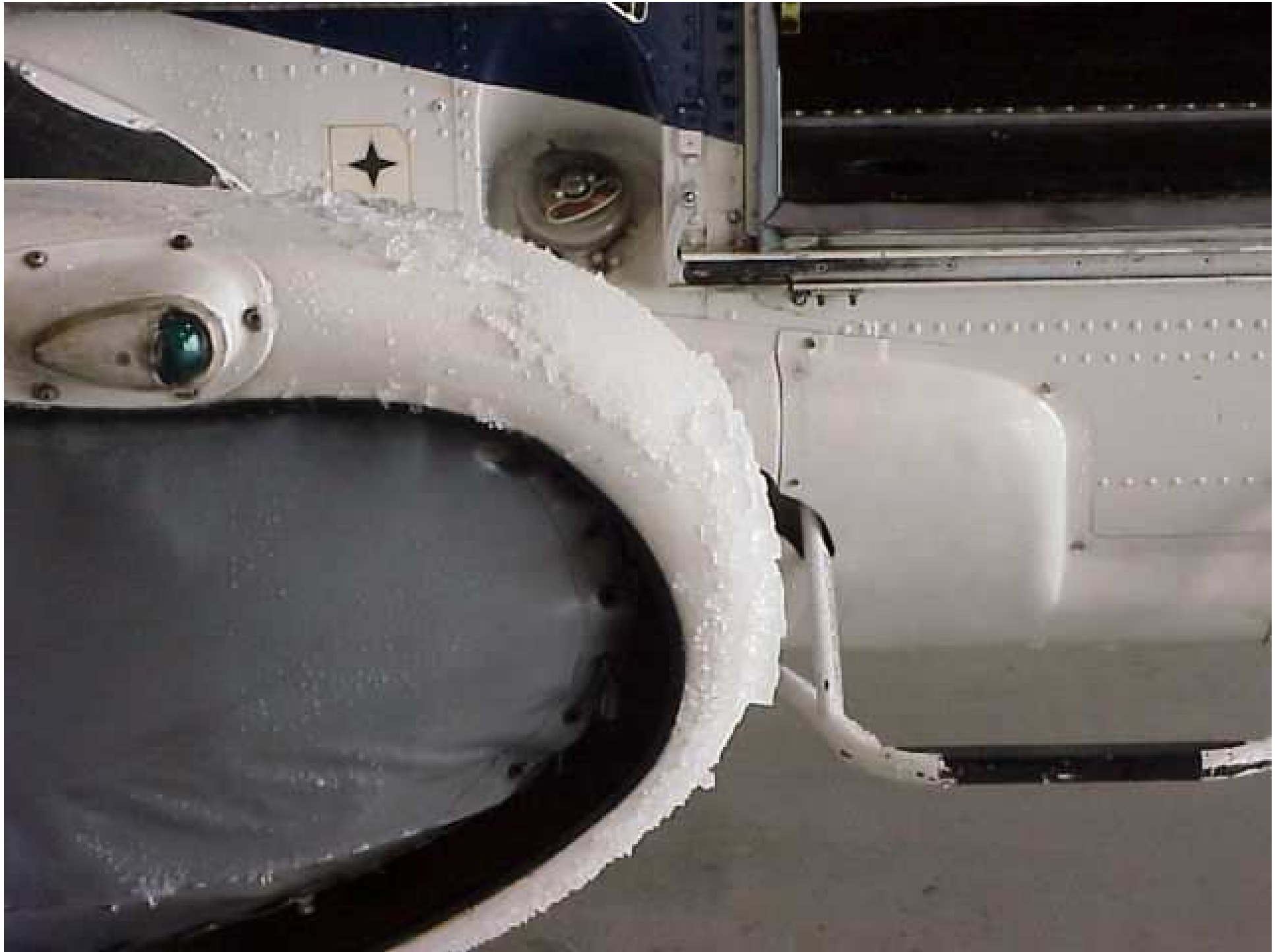




























St.John's NF Statistics

De-Ice System	97/98	89/99	99/00	00/01	01/02	02/03	TOTAL
# Trips Installed	431	520	572	520	630	852	3525
# Trips Engaged	156	174	182	235	240	246	1233
% Engaged	36%	33%	31%	45%	38%	28%	35%

System benefits review

# of Flights that would have been delayed or cancelled without use of the deice kit for flight planning.	~1700 flts (~50%)
Estimated effect on dispatch reliability in winter months.	~ 30% overall
Risk Reduction – Substantial	

Challenge

Freezing Drizzle

- Forecasting (use of TEMPO)
- Reporting
- Aircraft Testing
 - Droplet Size
 - Ambient Blade Temperature



Thank-You



Scheme #104



Sikorsky S-92